EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S13 9	28	("5554940"|"5735411"|"5796170"|"5858816"|"6043109"|"6049129"|"6197613"|"6204562"|"6277669"|"6372619"|"6433427"|"6536653"|"6727519"|"6806560").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 17:40
S14 0	27	bond with wire with directly with connected with (Bump ball C4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:04
S14 1	41	bond with wire with direct$3 with attach$3 with (Bump ball C4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:08
S14 2	1	2004-755858.NRAN.	DERWENT	OR	ON	2006/02/22 19:08
S14 3	2	"6812125".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:11
S14 4	9	("5434452" | "5592025" | "5637176" | "5866949" | "5891795" | "5900676" | "6268650" | "6326555" | "6573458").PN. OR ("6812125"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:09
S14 5	2	"20050017372".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:11
S14 6	2	"20050017372".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:12
S14 7	9	("5735411" "5554940" "6043109" "6197613" "6204562" "6277669" "6372619" "6433427" "6536653"). pn.	USPAT; IBM_TDB	OR	ON	2006/02/22 19:12
S14 8	2	("6372619").URPN.	USPAT	OR	ON	2006/02/22 19:12
S14 9	135	bump with wire with pad with package and "257"/$.ccls.	USPAT; IBM_TDB	OR	ON	2006/02/22 19:12

EAST Search History

S150	15	("4356374" | "5252850" | "5258648" | "5468681" | "5705858" | "5814894" | "5844304" | "5849606" | "5859407" | "5886971" | "5973337" | "6300235" | "6303977").PN. OR ("6753208"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S151	1	"6365439".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S152	28	("4246595" | "5148265" | "5148266" | "5258330" | "5346861" | "5347159" | "5398863" | "5448114" | "5602059" | "5648682" | "5668405" | "5679977" | "5682061" | "5685885" | "5686757" | "5706174" | "5757078" | "5777387" | "5777391" | "5789820" | "5801446" | "5895965" | "5990545" | "6078097" | "6107678").PN. OR ("6365439"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S153	5	("6287893" | "6300234" | "6429532" | "6501169").PN. OR ("6713870"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S154	71	("4462534" | "5024372" | "5220200" | "5261593" | "5293067" | "5346861" | "5388327" | "5455390" | "5504277" | "5539153" | "5541450" | "5547740" | "5564617" | "5604379" | "5608262" | "5701032" | "5736456" | "5777391" | "5814894").PN. OR ("6287893"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S155	5	("5397921" | "5409865" | "5646828" | "6163458" | "6287893").PN. OR ("6650015").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S156	7	redistribution near2 line with (bump solder near1 ball ball C4 flip) with (wire wiring)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S157	151	redistribution with (bump solder near1 ball ball C4 flip) with (wire wiring)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S158	1571	(257/734).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/22 19:12
S159	325	(ball bump C4 flip) with (wire wiring) and S158	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:12

S16 0	14	("20010006258" | "20030001288" | "20030006496" | "20030197271" | "5998860" | "6013948" | "6020629" | "6093969" | "6180881" | "6294825" | "6331453" | "6448640" | "6507107" | "6583502").PN. OR ("6836007"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 1	1	"6563217".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 2	73	("3460010" | "3538397" | "3769105" | "3772097" | "4164751" | "4266282" | "4317686" | "4349862" | "4423431" | "4427989" | "4477736" | "4493056" | "4567542" | "4577214" | "4604639" | "4605980" | "4641425" | "4649418" | "4654690" | "4656605" | "4691304" | "4720737" | "4725924" | "4731645" | "4737830" | "4748495" | "4777518" | "4780846" | "4992850" | "4996587" | "5012323" | "5016138" | "5032892" | "5045921" | "5107328" | "5128831" | "5137836" | "5182632" | "5239198" | "5255156" | "5266821" | "5280192" | "5280193" | "5307309" | "5322207" | "5323060" | "5367435" | "5399898" | "5422435" | "5434745" | "5438216" | "5465470" | "5477067" | "5477082" | "5480840" | "5483024" | "5495398" | "5502289" | "5535101" | "5739585" | "5920118" | "6013948" | "6025648" | "6054753" | "6057601" | "6075284" | "6097098").PN. OR ("6563217"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 3	7	("5397921" | "5541450" | "5729050" | "5819398" | "5825084" | "5834839" | "5895973").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 4	211	("4505799" | "4649418" | "4725924" | "4731645" | "4829666" | "4931853" | "4992849" | "4992850" | "5048179" | "5063177" | "5138434" | "5155067" | "5191511" | "5239198" | "5326428" | "5419807" | "5422514" | "5468999" | "5474957" | "5578869").PN. OR ("5739585").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12

EAST Search History

S16 5	43	("5021300" | "5248895" | "5300812" | "5352851" | "5359768" | "5442231" | "5559369" | "5650593" | "5661086" | "5677566" | "5723907" | "5726079" | "5739585" | "5817535" | "5857767" | "5972736" | "5985697" | "5990550" | "5998241" | "5998860" | "5998865" | "5999415" | "6008074" | "6020637" | "6048755" | "6107683" | "6122171" | "6198162" | "6214641" | "6215180" | "6225695" | "6249041" | "6255140" | "6271586" | "6284571" | "6300165" | "6326687" | "6343019" | "6461894" | "6498052" | "6507114" | "6518098" | "6528890").PN. OR ("6856013"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 6	63	("5523622" | "5572405" | "5598321" | "5705851" | "5719440" | "5724232" | "5729432" | "5793118" | "5818698" | "5854507" | "5866953" | "5903052" | "5936305" | "5959356").PN. OR ("6122171").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 7	20	("4996587" | "5159434" | "5428247" | "5674785" | "5677566" | "5864470" | "5894107" | "5986346" | "5999413" | "6013946" | "6060768" | "6104089" | "6122171" | "6218202" | "6221682" | "6252298" | "6265768" | "6271586" | "6291884" | "6331451").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 8	32	("5159434" | "5428247" | "5864470" | "5986346" | "5999413" | "6013946" | "6060768" | "6104089" | "6122171" | "6218202" | "6221682" | "6252298" | "6265768" | "6271586" | "6291884" | "6331451").PN. OR ("6445077"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 9	5	("5248903" | "5367195" | "5442239" | "5502337" | "5736791").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S17 0	53	("3179913" | "3370203" | "3459998" | "3904934" | "4288841" | "4502098" | "4574331" | "4646128" | "4727410" | "4823233" | "4833568" | "4862249" | "4868712" | "4953005" | "5016138" | "5019945" | "5739585").PN. OR ("6049129").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S17 1	53	("3179913" | "3370203" | "3459998" | "3904934" | "4288841" | "4502098" | "4574331" | "4646128" | "4727410" | "4823233" | "4833568" | "4862249" | "4868712" | "4953005" | "5016138" | "5019945" | "5739585").PN. OR ("6049129").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12

EAST Search History

S17 2	16	(US-20050017372-$ or US-20030168734-$ or US-20040004283-$).did. or (US-6372619-$ or US-6713870-$ or US-5455390-$ or US-5739585-$ or US-6773965-$ or US-6387729-$ or US-6372552-$ or US-6365833-$ or US-6268650-$ or US-6049129-$ or US-6856013-$ or US-6507114-$ or US-6855575-$ or US-6683795-$ or US-6445077-$ or US-6252298-$ or US-6700190-$ or US-6856028-$). did.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S17 3	16	(US-20030168734-$ or US-20040004283-$ or US-20050017372-$).did. or (US-5455390-$ or US-5739585-$ or US-6049129-$ or US-6252298-$ or US-6268650-$ or US-6365833-$ or US-6372552-$ or US-6372619-$ or US-6387729-$ or US-6445077-$ or US-6507114-$ or US-6683795-$ or US-6700190-$ or US-6713870-$ or US-6773965-$ or US-6855575-$ or US-6856013-$ or US-6856028-$). did.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S17 4	0	circuit adj board with (column via) with diameter with ".mu.m."	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S17 5	0	circuit adj board with (column via) with diameter with ".mu.m."	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S17 6	350	circuit adj board with (column via) with diameter	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S17 7	210	circuit adj board with (column via) with diameter	USPAT	OR	ON	2006/02/22 19:13
S17 8	161	fr-4 with comprise	USPAT	OR	ON	2006/02/22 19:13
S17 9	1	"6,201,707".pn.	USPAT	OR	ON	2006/02/22 19:13
S18 0	3	PCB with microvias with copper	USPAT	OR	ON	2006/02/22 19:13
S18 1	4	PCB with vias with filled with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13
S18 2	4	PCB with vias with f with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13
S18 3	162	PCB with vias with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13
S18 4	39	S183 and "257"/$.ccls.	USPAT	OR	ON	2006/02/22 19:13
S18 5	733	circuit with board with vias with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13

S18 6	199	S185 and "257"/$.ccls.	USPAT	OR	ON	2006/02/22 19:13
S18 7	187	S186 not S184	USPAT	OR	ON	2006/02/22 19:13
S18 8	8	("5976912" | "6048755" | "6049129" | "6111306" | "6144102" | "6252298" | "6429372" | "6455354").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S18 9	20	("4996587" | "5159434" | "5428247" | "5674785" | "5677566" | "5864470" | "5894107" | "5986346" | "5999413" | "6013946" | "6060768" | "6104089" | "6122171" | "6218202" | "6221682" | "6252298" | "6265768" | "6271586" | "6291884" | "6331451").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 0	4	("5216278" | "5640047" | "5866949" | "6013946").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 1	7	("5289631" | "5290710" | "5525545" | "5541525" | "5806181" | "5888837" | "6072322").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 2	14	("5523622" | "5572405" | "5598321" | "5705851" | "5719440" | "5724232" | "5729432" | "5793118" | "5818698" | "5854507" | "5866953" | "5903052" | "5936305" | "5959356").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 3	59	("5285352" | "5430331" | "5442234" | "5528458" | "5541450" | "5583377" | "5583378" | "5633783" | "5640047" | "5710695" | "5717252" | "5760465").PN. OR ("5903052"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13

EAST Search History

S19 4	104	("20010045644" | "20020053731" | "20020072214" | "20020096767" | "20020098617" | "20020180040" | "20030138613" | "3790866" | "4611238" | "5045921" | "5065281" | "5173766" | "5208504" | "5216278" | "5285352" | "5291062" | "5294826" | "5366589" | "5394009" | "5397917" | "5397921" | "5409865" | "5433631" | "5438216" | "5474957" | "5490324" | "5534467" | "5541450" | "5552635" | "5572405" | "5578869" | "5583377" | "5583378" | "5642261" | "5648679" | "5650659" | "5691567" | "5717252" | "5736785" | "5796170" | "5798909" | "5801432" | "5835355" | "5843808" | "5844168" | "5856911" | "5866949" | "5883430" | "5889324" | "5894410" | "5901041" | "5903052" | "5905633" | "5907903" | "5920117" | "5949137" | "5953589" | "5972734" | "5977626" | "5986340" | "5986885" | "5998241" | "5999415" | "6002147" | "6002169" | "6011304" | "6011694" | "6020637" | "6028358" | "6057601" | "6060777" | "6069407" | "6077724" | "6084297" | "6084777" | "6114761" | "6117797" | "6122171" | "6133064" | "6140707" | "6160705" | "6162659" | "6163458" | "6166434" | "6184580" | "6212070" | "6242279" | "6246111" | "6288444" | "6313521" | "6347037" | "6362525" | "6369455" | "6380623" | "6462274" | "6472741" | "6525942" | "6528892" | "6541832" | "6545351" | "6552266" | "6552428" | "6563712" | "6583516"). PN. OR ("6853070").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 5	12	("5397917" | "5583378" | "5724230" | "5726493" | "5796038" | "5854511" | "5866943" | "5886408" | "5909056" | "5926371" | "6020637" | "6046499").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 6	18	("5877552" | "5977626").PN. OR ("6163458").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 7	58	("4954877" | "5371404").PN. OR ("5796170").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 8	48	("4563725" | "4591659" | "4993148" | "5191511" | "5291062" | "5297006" | "5355283" | "5409865" | "5434750" | "5473814" | "5477082").PN. OR ("5572405").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 9	630	package with substrate with underfill	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13

EAST Search History

S20 0	267	S199 and "257"/$.ccls.	USPAT	OR	ON	2006/02/22 19:13
S20 1	2	("5796170" "6806560").pn.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S20 2	3	("5796170" "6806560" "20050017372").pn.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S20 3	2	("4954877" | "5371404").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S20 4	630	package with substrate with underfill	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S20 5	15	("4786545" | "5055321" | "5278429" | "5473512" | "5519251" | "5756380" | "5816478" | "5834832" | "5872399" | "5925403" | "6197615" | "6286207" | "6288451" | "6323542" | "6344753").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S20 6	1	("6049129").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S20 7	27	gold with bump with PCB	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S20 8	134	gold near2 bump with circuit near2 board	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S20 9	78	gold near2 bump with circuit near2 board	USPAT; USOCR	OR	ON	2006/02/22 19:13
S21 5	2	"20050017372".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:13
S21 6	1571	(257/734).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/22 20:47
S21 7	0	circuit adj board with (column via) with diameter with ".mu.m."	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S21 8	0	circuit adj board with (column via) with diameter with ".mu.m."	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S21 9	4	PCB with vias with f with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13
S22 0	733	circuit with board with vias with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13

EAST Search History

S22 1	199	S220 and "257"/$.ccls.	USPAT	OR	ON	2006/02/22 19:13
S22 2	630	package with substrate with underfill	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S22 4	203	(bayat with ali).xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:13
S22 6	1	"6365439".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S22 7	1	"6563217".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S22 8	1	"6,201,707".pn.	USPAT	OR	ON	2006/02/22 19:13
S22 9	1	("6049129").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S23 0	9	("5735411" "5554940" "6043109" "6197613" "6204562" "6277669" "6372619" "6433427" "6536653"). pn.	USPAT; IBM_TDB	OR	ON	2006/02/22 19:13
S23 1	2	("6372619").URPN.	USPAT	OR	ON	2006/02/22 19:13
S23 2	15	("4356374" | "5252850" | "5258648" | "5468681" | "5705858" | "5814894" | "5844304" | "5849606" | "5859407" | "5886971" | "5973337" | "6300235" | "6303977").PN. OR ("6753208"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S23 3	28	("4246595" | "5148265" | "5148266" | "5258330" | "5346861" | "5347159" | "5398863" | "5448114" | "5602059" | "5648682" | "5668405" | "5679977" | "5682061" | "5685885" | "5686757" | "5706174" | "5757078" | "5777387" | "5777391" | "5789820" | "5801446" | "5895965" | "5990545" | "6078097" | "6107678").PN. OR ("6365439"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S23 4	5	("6287893" | "6300234" | "6429532" | "6501169").PN. OR ("6713870"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13

S23 5	71	("4462534" | "5024372" | "5220200" | "5261593" | "5293067" | "5346861" | "5388327" | "5455390" | "5504277" | "5539153" | "5541450" | "5547740" | "5564617" | "5604379" | "5608262" | "5701032" | "5736456" | "5777391" | "5814894").PN. OR ("6287893"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S23 6	5	("5397921" | "5409865" | "5646828" | "6163458" | "6287893").PN. OR ("6650015").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S23 7	7	redistribution near2 line with (bump solder near1 ball ball C4 flip) with (wire wiring)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S23 8	14	("20010006258" | "20030001288" | "20030006496" | "20030197271" | "5998860" | "6013948" | "6020629" | "6093969" | "6180881" | "6294825" | "6331453" | "6448640" | "6507107" | "6583502").PN. OR ("6836007"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S23 9	73	("3460010" | "3538397" | "3769105" | "3772097" | "4164751" | "4266282" | "4317686" | "4349862" | "4423431" | "4427989" | "4477736" | "4493056" | "4567542" | "4577214" | "4604639" | "4605980" | "4641425" | "4649418" | "4654690" | "4656605" | "4691304" | "4720737" | "4725924" | "4731645" | "4737830" | "4748495" | "4777518" | "4780846" | "4992850" | "4996587" | "5012323" | "5016138" | "5032892" | "5045921" | "5107328" | "5128831" | "5137836" | "5182632" | "5239198" | "5255156" | "5266821" | "5280192" | "5280193" | "5307309" | "5322207" | "5323060" | "5367435" | "5399898" | "5422435" | "5434745" | "5438216" | "5465470" | "5477067" | "5477082" | "5480840" | "5483024" | "5495398" | "5502289" | "5535101" | "5739585" | "5920118" | "6013948" | "6025648" | "6054753" | "6057601" | "6075284" | "6097098").PN. OR ("6563217"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S24 0	7	("5397921" | "5541450" | "5729050" | "5819398" | "5825084" | "5834839" | "5895973").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13

S24 1	43	("5021300"| "5248895"| "5300812" | "5352851"| "5359768"| "5442231" | "5559369"| "5650593"| "5661086" | "5677566"| "5723907"| "5726079" | "5739585"| "5817535"| "5857767" | "5972736"| "5985697"| "5990550" | "5998241"| "5998860"| "5998865" | "5999415"| "6008074"| "6020637" | "6048755"| "6107683"| "6122171" | "6198162"| "6214641"| "6215180" | "6225695"| "6249041"| "6255140" | "6271586"| "6284571"| "6300165" | "6326687"| "6343019"| "6461894" | "6498052"| "6507114"| "6518098" | "6528890").PN. OR ("6856013"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S24 2	63	("5523622"| "5572405"| "5598321" | "5705851"| "5719440"| "5724232" | "5729432"| "5793118"| "5818698" | "5854507"| "5866953"| "5903052" | "5936305"| "5959356").PN. OR ("6122171").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S24 3	20	("4996587"| "5159434"| "5428247" | "5674785"| "5677566"| "5864470" | "5894107"| "5986346"| "5999413" | "6013946"| "6060768"| "6104089" | "6122171"| "6218202"| "6221682" | "6252298"| "6265768"| "6271586" | "6291884"| "6331451").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S24 4	32	("5159434"| "5428247"| "5864470" | "5986346"| "5999413"| "6013946" | "6060768"| "6104089"| "6122171" | "6218202"| "6221682"| "6252298" | "6265768"| "6271586"| "6291884" | "6331451").PN. OR ("6445077"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S24 5	5	("5248903"| "5367195"| "5442239" | "5502337"| "5736791").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S24 6	53	("3179913"| "3370203"| "3459998" | "3904934"| "4288841"| "4502098" | "4574331"| "4646128"| "4727410" | "4823233"| "4833568"| "4862249" | "4868712"| "4953005"| "5016138" | "5019945"| "5739585").PN. OR ("6049129").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S24 7	53	("3179913"| "3370203"| "3459998" | "3904934"| "4288841"| "4502098" | "4574331"| "4646128"| "4727410" | "4823233"| "4833568"| "4862249" | "4868712"| "4953005"| "5016138" | "5019945"| "5739585").PN. OR ("6049129").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13

S24 8	16	(US-20050017372-$ or US-20030168734-$ or US-20040004283-$).did. or (US-6372619-$ or US-6713870-$ or US-5455390-$ or US-5739585-$ or US-6773965-$ or US-6387729-$ or US-6372552-$ or US-6365833-$ or US-6268650-$ or US-6049129-$ or US-6856013-$ or US-6507114-$ or US-6855575-$ or US-6683795-$ or US-6445077-$ or US-6252298-$ or US-6700190-$ or US-6856028-$). did.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S24 9	16	(US-20030168734-$ or US-20040004283-$ or US-20050017372-$).did. or (US-5455390-$ or US-5739585-$ or US-6049129-$ or US-6252298-$ or US-6268650-$ or US-6365833-$ or US-6372552-$ or US-6372619-$ or US-6387729-$ or US-6445077-$ or US-6507114-$ or US-6683795-$ or US-6700190-$ or US-6713870-$ or US-6773965-$ or US-6855575-$ or US-6856013-$ or US-6856028-$). did.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S25 0	3	PCB with microvias with copper	USPAT	OR	ON	2006/02/22 19:13
S25 1	4	PCB with vias with filled with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13
S25 2	162	PCB with vias with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13
S25 3	39	S252 and "257"/$.ccls.	USPAT	OR	ON	2006/02/22 19:13
S25 4	8	("5976912" | "6048755" | "6049129" | "6111306" | "6144102" | "6252298" | "6429372" | "6455354").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S25 5	20	("4996587" | "5159434" | "5428247" | "5674785" | "5677566" | "5864470" | "5894107" | "5986346" | "5999413" | "6013946" | "6060768" | "6104089" | "6122171" | "6218202" | "6221682" | "6252298" | "6265768" | "6271586" | "6291884" | "6331451").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S25 6	4	("5216278" | "5640047" | "5866949" | "6013946").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S25 7	7	("5289631" | "5290710" | "5525545" | "5541525" | "5806181" | "5888837" | "6072322").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13

S25 8	14	("5523622" | "5572405" | "5598321" | "5705851" | "5719440" | "5724232" | "5729432" | "5793118" | "5818698" | "5854507" | "5866953" | "5903052" | "5936305" | "5959356").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S25 9	59	("5285352" | "5430331" | "5442234" | "5528458" | "5541450" | "5583377" | "5583378" | "5633783" | "5640047" | "5710695" | "5717252" | "5760465").PN. OR ("5903052"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 0	12	("5397917" | "5583378" | "5724230" | "5726493" | "5796038" | "5854511" | "5866943" | "5886408" | "5909056" | "5926371" | "6020637" | "6046499").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 1	18	("5877552" | "5977626").PN. OR ("6163458").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 2	58	("4954877" | "5371404").PN. OR ("5796170").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 3	48	("4563725" | "4591659" | "4993148" | "5191511" | "5291062" | "5297006" | "5355283" | "5409865" | "5434750" | "5473814" | "5477082").PN. OR ("5572405").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 4	2	("5796170" "6806560").pn.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S26 5	3	("5796170" "6806560" "20050017372").pn.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S26 6	2	("4954877" | "5371404").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 7	15	("4786545" | "5055321" | "5278429" | "5473512" | "5519251" | "5756380" | "5816478" | "5834832" | "5872399" | "5925403" | "6197615" | "6286207" | "6288451" | "6323542" | "6344753").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 8	27	gold with bump with PCB	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 9	78	gold near2 bump with circuit near2 board	USPAT; USOCR	OR	ON	2006/02/22 19:13
S27 1	135	bump with wire with pad with package and "257"/$.ccls.	USPAT; IBM_TDB	OR	ON	2006/02/22 19:13
S27 2	151	redistribution with (bump solder near1 ball ball C4 flip) with (wire wiring)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13

S273	211	("4505799" | "4649418" | "4725924" | "4731645" | "4829666" | "4931853" | "4992849" | "4992850" | "5048179" | "5063177" | "5138434" | "5155067" | "5191511" | "5239198" | "5326428" | "5419807" | "5422514" | "5468999" | "5474957" | "5578869").PN. OR ("5739585").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S274	161	fr-4 with comprise	USPAT	OR	ON	2006/02/22 19:13
S275	162	PCB with vias with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13
S276	187	S221 not S253	USPAT	OR	ON	2006/02/22 19:13
S277	104	("20010045644" | "20020053731" | "20020072214" | "20020096767" | "20020098617" | "20020180040" | "20030138613" | "3790866" | "4611238" | "5045921" | "5065281" | "5173766" | "5208504" | "5216278" | "5285352" | "5291062" | "5294826" | "5366589" | "5394009" | "5397917" | "5397921" | "5409865" | "5433631" | "5438216" | "5474957" | "5490324" | "5534467" | "5541450" | "5552635" | "5572405" | "5578869" | "5583377" | "5583378" | "5642261" | "5648679" | "5650659" | "5691567" | "5717252" | "5736785" | "5796170" | "5798909" | "5801432" | "5835355" | "5843808" | "5844168" | "5856911" | "5866949" | "5883430" | "5889324" | "5894410" | "5901041" | "5903052" | "5905633" | "5907903" | "5920117" | "5949137" | "5953589" | "5972734" | "5977626" | "5986340" | "5986885" | "5998241" | "5999415" | "6002147" | "6002169" | "6011304" | "6011694" | "6020637" | "6028358" | "6057601" | "6060777" | "6069407" | "6077724" | "6084297" | "6084777" | "6114761" | "6117797" | "6122171" | "6133064" | "6140707" | "6160705" | "6162659" | "6163458" | "6166434" | "6184580" | "6212070" | "6242279" | "6246111" | "6288444" | "6313521" | "6347037" | "6362525" | "6369455" | "6380623" | "6462274" | "6472741" | "6525942" | "6528892" | "6541832" | "6545351" | "6552266" | "6552428" | "6563712" | "6583516"). PN. OR ("6853070").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S278	134	gold near2 bump with circuit near2 board	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S280	210	circuit adj board with (column via) with diameter	USPAT	OR	ON	2006/02/22 19:13

S28 1	267	S222 and "257"/$.ccls.	USPAT	OR	ON	2006/02/22 19:14
S28 2	325	(ball bump C4 flip) with (wire wiring) and S216	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:14
S28 3	350	circuit adj board with (column via) with diameter	US-PGPUB; USPAT	OR	ON	2006/02/22 19:14
S28 4	630	package with substrate with underfill	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:14
S28 5	11616	bond$3 near2 wir$3 with (ball bump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:49
S28 6	847	bond$3 near2 wir$3 with direct$3 with (ball bump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:35
S28 7	368	bond$3 near2 wir$3 with direct$3 with (attach$3 or connect$3) with (ball bump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:39
S28 8	26	("20010041384"|"20030089523"|"20030090000"|"5273938"|"5300362"|"5751068"|"6000603"|"6215179"|"6294100"|"6429043"|"6498099"|"6624008"|"6638790").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:39
S28 9	8	("4530896" | "4945634" | "4977441" | "5684328" | "5696032" | "5990545" | "6199273" | "6258632").PN. OR ("6624008").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:59

S29 0	49	("20010013643"|"20020027630"|"20 020068417"|"20020195697"|"20030 013643"|"20030032217"|"20030038 356"|"20030038374"|"20030178710" |"20030189259"|"20040222509"|"20 050077605"|"20050104183"|"20050 224959"|"4184043"|"5037779"|"505 6215"|"5220200"|"5251806"|"52967 38"|"5323060"|"5331235"|"5536362" |"5934545"|"6005778"|"6023217"|"6 049370"|"6051886"|"6063688"|"607 1371"|"6080264"|"6097097"|"62127 67"|"6287895"|"6316289"|"6351028" |"6424033"|"6472758"|"6521480"|"6 531784"|"6534345"|"6534391"|"655 2416"|"6593662"|"6630365"|"66307 30"|"6657290"|"6682954"|"6930396").PN.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:59
S29 1	52	("3851221" | "4103318" | "4361261" | "4444349" | "4586642" | "4730232" | "4763188" | "4982265" | "5012323" | "5025306" | "5040052" | "5140404" | "5168368" | "5172215" | "5176311" | "5177032" | "5291060" | "5291061" | "5323060" | "5334875" | "5384689" | "5432729" | "5495398" | "5498901" | "5502289" | "5620928" | "5682062" | "5714405" | "5715147" | "5721452" | "5739581" | "5804874" | "5815372" | "5872025" | "5886412" | "5989982" | "6005778" | "6013948" | "6030855" | "6033931" | "6051886" | "6057598" | "RE36613").PN. OR ("6531784"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 20:03
S29 2	2740	(257/778).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/22 20:48
S29 3	1403	(257/780).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/22 20:47
S29 4	3767	(257/787).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/22 20:47

EAST Search History

S29 5	1858	(257/738).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/22 20:48
S29 6	800	(257/782).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/22 20:48
S29 7	0	anisitropical$3 with S292	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:48
S29 8	73	S292 and anisotropica$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:48
S29 9	24	S292 and (bond$3 near2 wir$3 with (ball bump)) and anisotropica$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:49
S30 0	9	S293 and (bond$3 near2 wir$3 with (ball bump)) and anisotropica$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:50
S30 1	13	S294 and (bond$3 near2 wir$3 with (ball bump)) and anisotropica$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:50
S30 2	20	S295 and (bond$3 near2 wir$3 with (ball bump)) and anisotropica$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:50
S30 3	5	S296 and (bond$3 near2 wir$3 with (ball bump)) and anisotropica$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:56

EAST Search History

S304	93	S298 S299 S300 S301 S302 S303	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:51
S305	26	((bond$3 or wir$3) and (ball bump) and anisotropica$6).clm.	US-PGPUB	OR	ON	2006/02/22 20:58